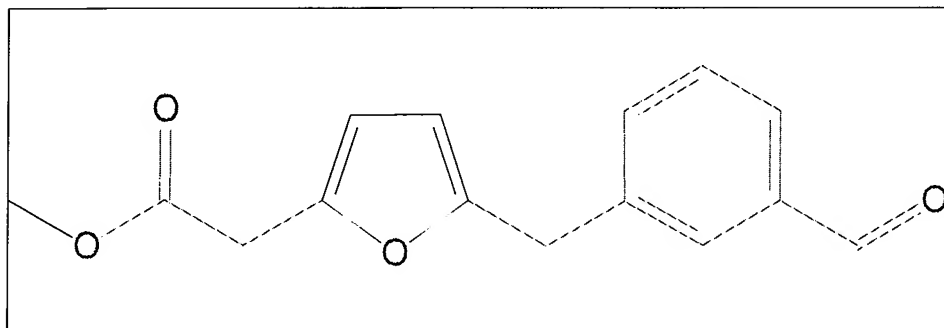


EXHIBIT D



Substance Identification

Beilstein Registry Number	7928408
Chemical Name	[5-(3-formyl-benzyl)-furan-2-yl]-acetic acid methyl ester
Autoname	[5-(3-formyl-benzyl)-furan-2-yl]-acetic acid methyl ester
Molecular Formula	C ₁₅ H ₁₄ O ₄
Molecular Weight	258.27
Lawson Number	19967, 289
Type of Substance	heterocyclic
Constitution ID	6756493
Tautomer ID	7497273
Beilstein Reference	6-18

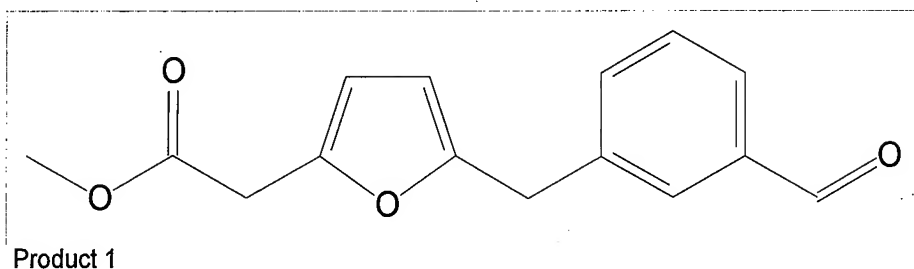
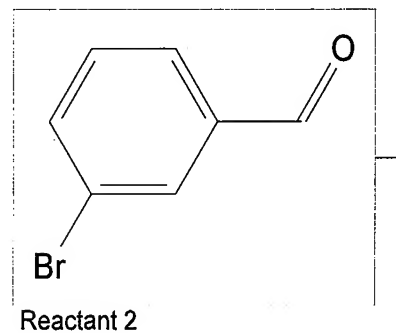
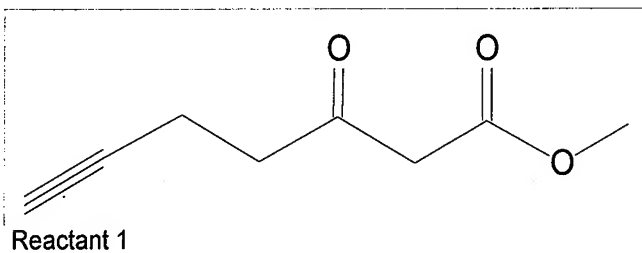
Field Availability List 1-2

Code	Field Name	Occ.
<u>RX</u>	Reaction	1
<u>CNR</u>	Reference	1

Reaction

Reaction ID	4864345
Reactant BRN	5497712 3-oxo-hept-6-ynoic acid methyl ester 1634534 3-bromo-benzaldehyde
Product BRN	7928408 [5-(3-formyl-benzyl)-furan-2-yl]-acetic acid methyl ester
No. of Reaction Details	1
Reaction Classification	Preparation
Yield	43 percent (BRN=7928408)
Reagent	K ₂ CO ₃ , Pd(PPh ₃) ₄
Solvent	dimethylformamide
Time	5.0 hour(s)
Temperature	100 C
Find similar reactions	<u>click here</u>

Ref. 1	6089565 ; Journal; Cacchi, Sandro; Fabrizi, Giancarlo; Moro, Leonardo; JOCEAH; J. Org. Chem.; EN; 62; 16; 1997; 5327-5332.
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Reference

6089565; Journal; Cacchi, Sandro; Fabrizi, Giancarlo; Moro, Leonardo; JOCEAH; J. Org. Chem.; EN; 62; 16; 1997; 5327-5332.